

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031820\
 Data File : BG044877.D
 Acq On : 18 Mar 2020 23:47
 Operator : CG/JU
 Sample : L1759-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-031620

Quant Time: Mar 19 01:44:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

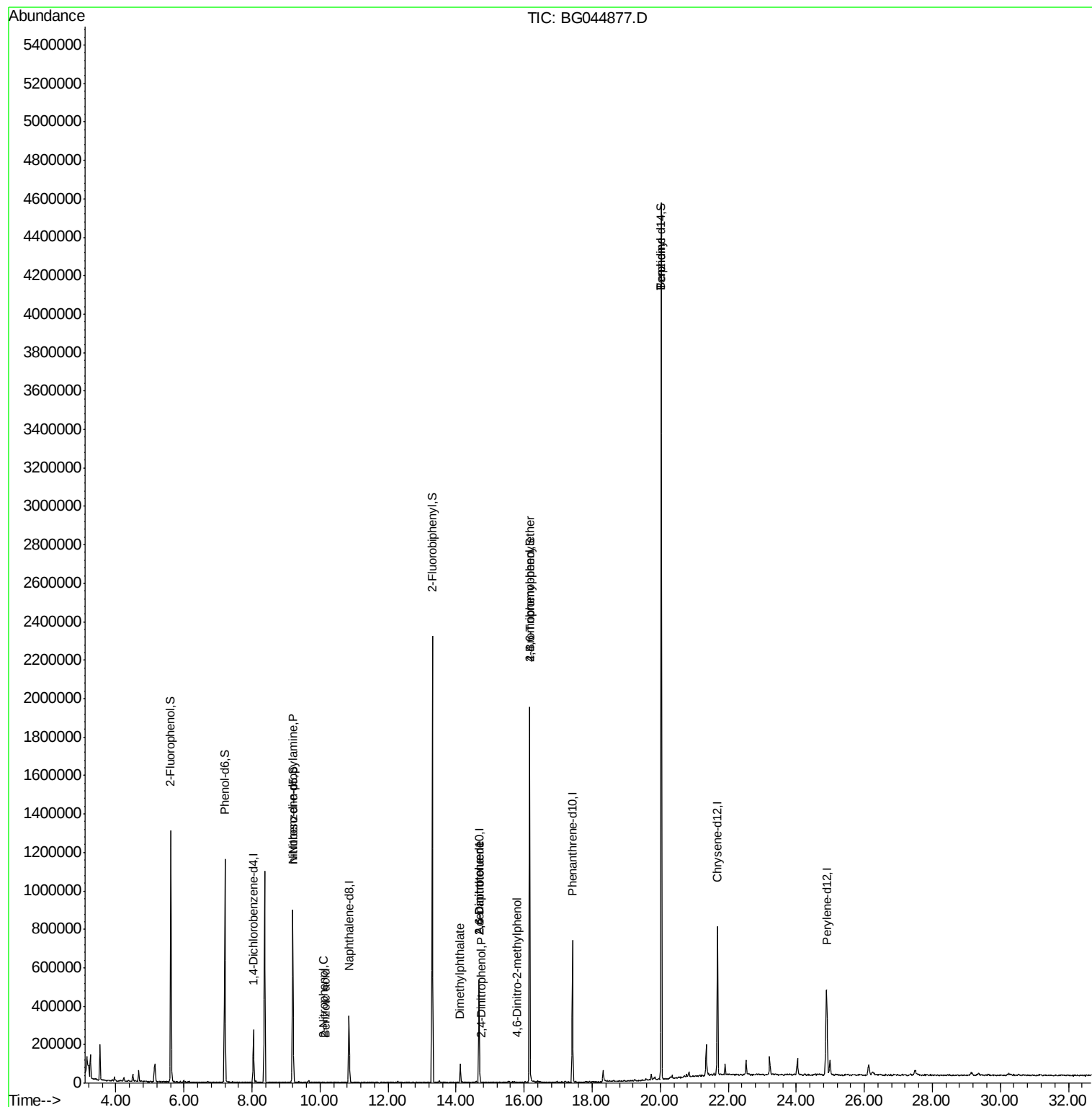
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	78774	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	296935	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	197374	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	453703	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	476853	20.00	ng	-0.01
87) Perylene-d12	24.89	264	518321	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	566966	112.04	ng	0.00
7) Phenol-d6	7.20	99	704223	95.78	ng	0.00
23) Nitrobenzene-d5	9.20	82	587299	86.79	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	384590	148.82	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1213212	88.02	ng	0.00
79) Terphenyl-d14	20.03	244	2100448	82.39	ng	0.00
Target Compounds						
9) Benzaldehyde	7.15	77	53	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	80843	15.57	ng	# 72
26) 2-Nitrophenol	10.10	139	64	5.54	ng	# 28
32) Benzoic acid	10.16	122	60	9.68	ng	# 1
50) Dimethylphthalate	14.12	163	62046	3.95	ng	100
51) 2,6-Dinitrotoluene	14.67	165	25629	8.09	ng	# 20
54) 2,4-Dinitrophenol	14.74	184	56	8.35	ng	# 1
57) 2,4-Dinitrotoluene	14.67	165	25629	5.90	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.78	198	69	7.76	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	26718	4.71	ng	# 1
77) Benzidine	20.03	184	40069	2.59	ng	# 92

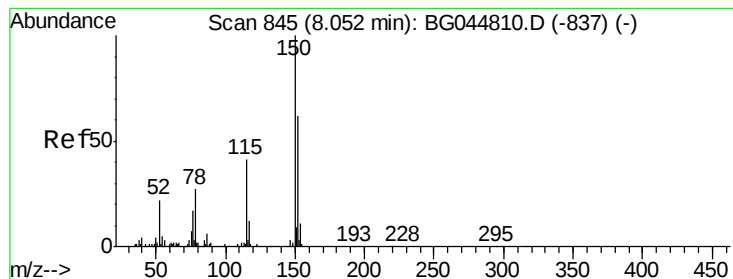
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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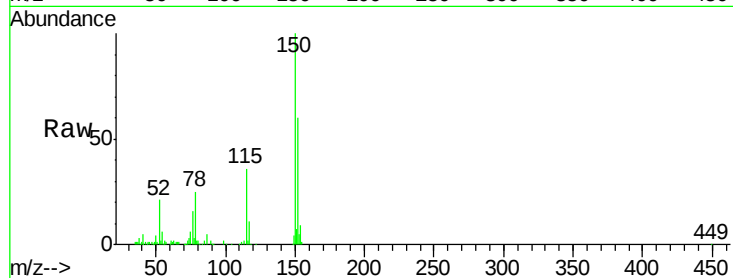




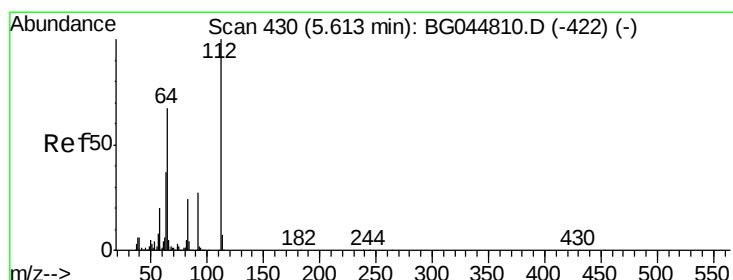
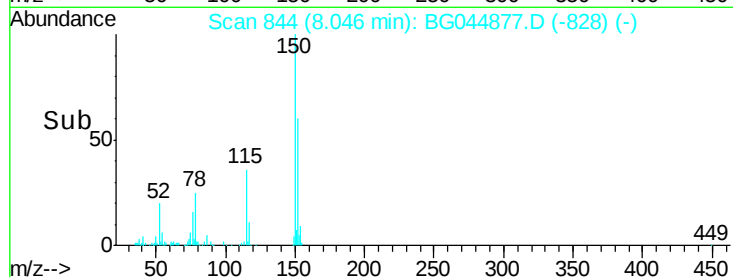
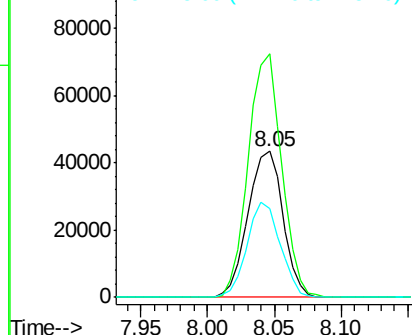
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-031620

Tgt Ion:152 Resp: 78774
 Ion Ratio Lower Upper
 152 100
 150 166.9 128.8 193.2
 115 60.4 52.6 79.0

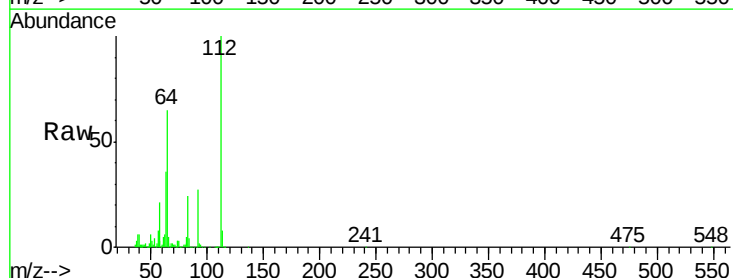


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

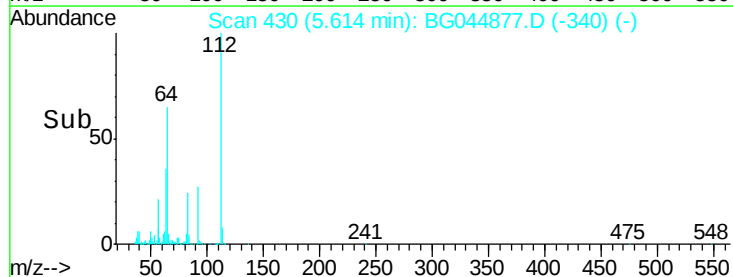
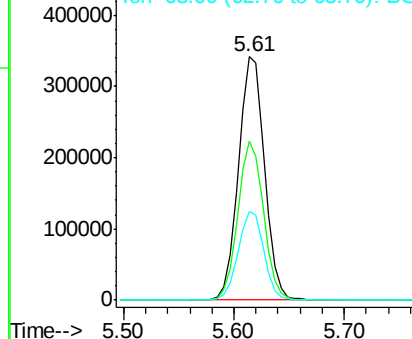


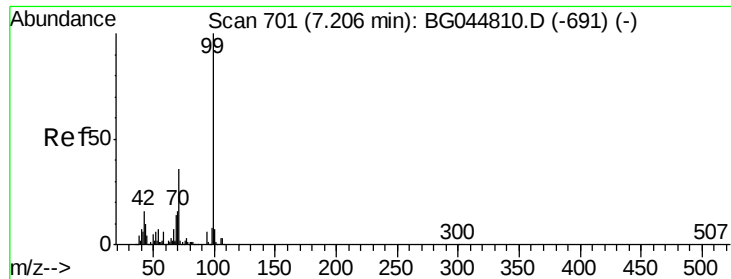
#5
 2-Fluorophenol
 Concen: 112.04 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

Tgt Ion:112 Resp: 566966
 Ion Ratio Lower Upper
 112 100
 64 65.2 53.4 80.2
 63 36.2 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 95.78 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

Instrument :

BNA_G

ClientSampleId :

OR-02-031620

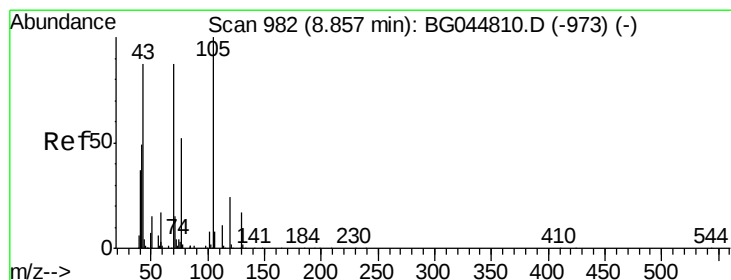
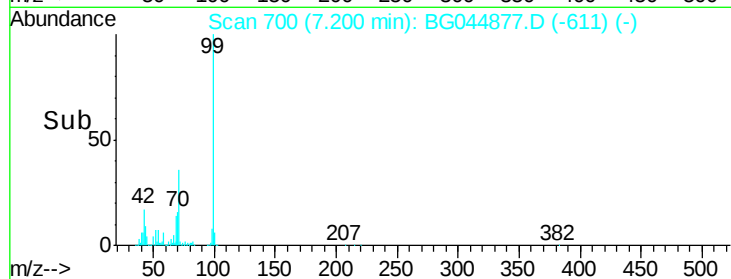
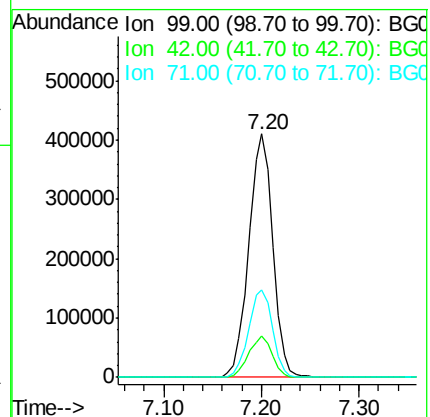
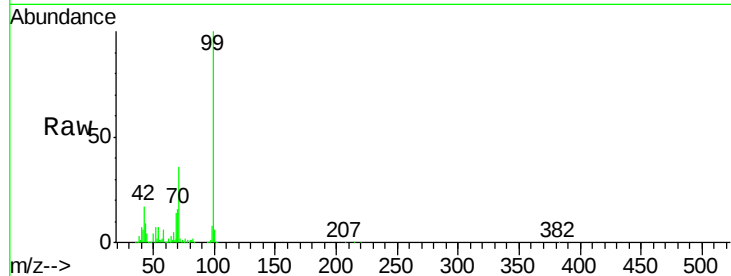
Tgt Ion: 99 Resp: 704223

Ion Ratio Lower Upper

99 100

42 16.8 12.6 19.0

71 36.1 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.57 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

Tgt Ion: 70 Resp: 80843

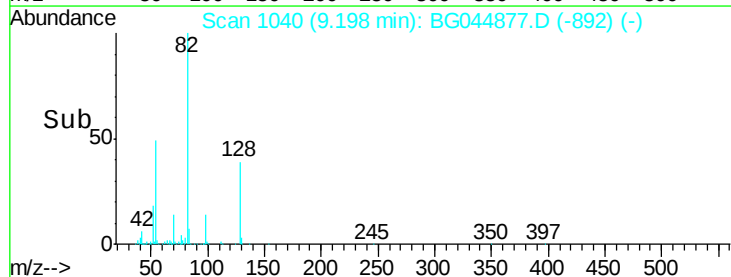
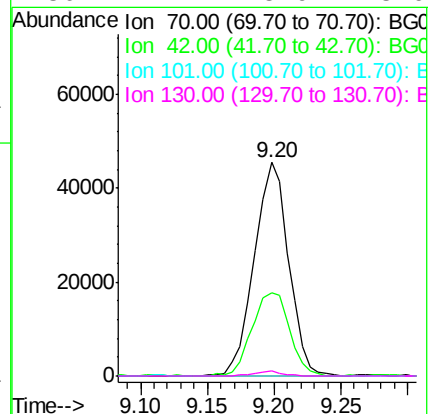
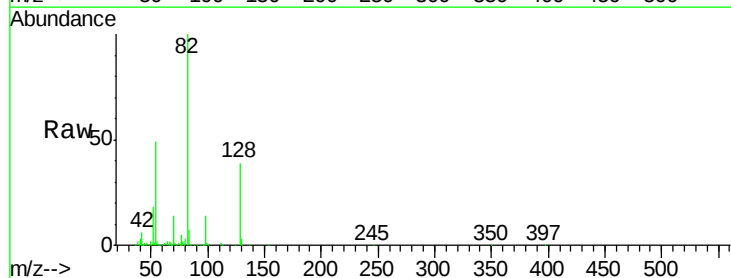
Ion Ratio Lower Upper

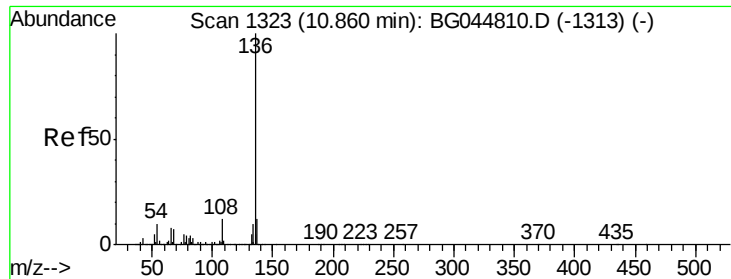
70 100

42 39.0 45.7 68.5#

101 0.0 7.4 11.2#

130 2.2 15.9 23.9#

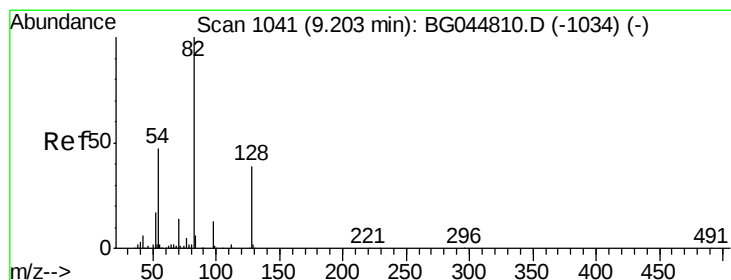
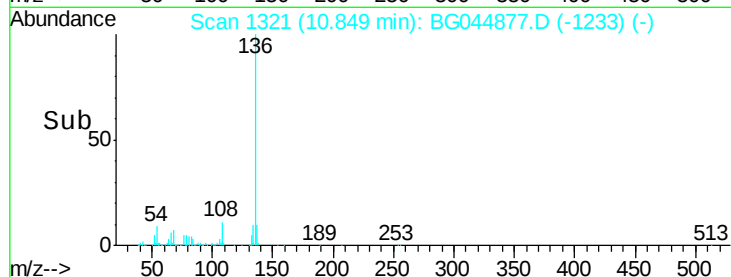
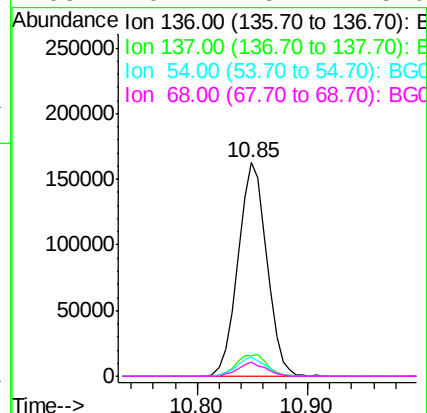
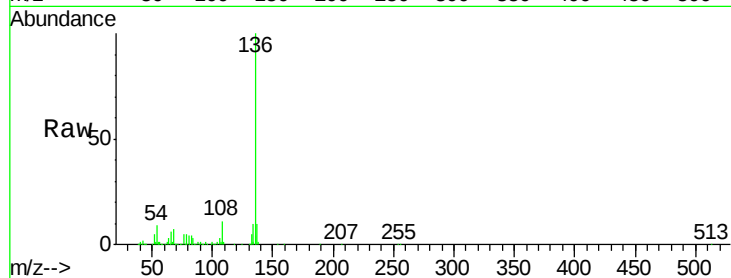




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044877.D
Acq: 18 Mar 2020 23:47

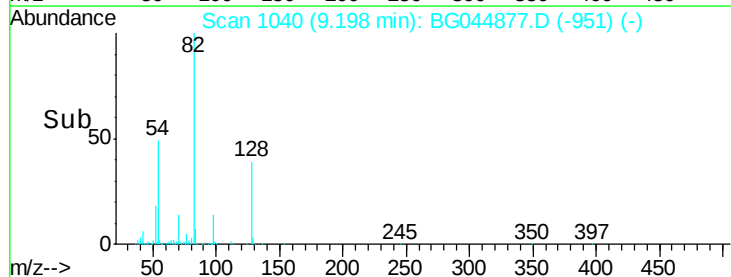
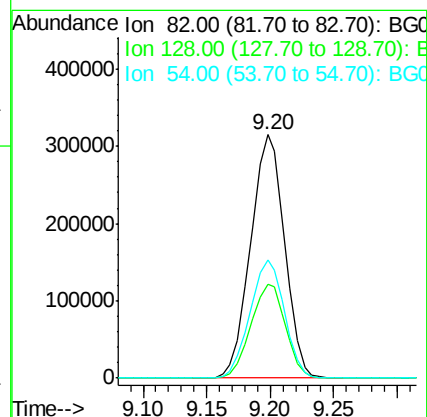
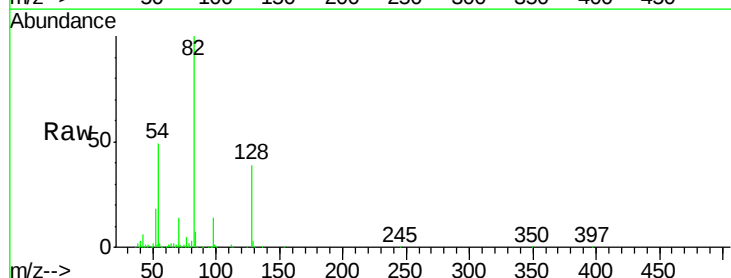
Instrument :
BNA_G
ClientSampleId :
OR-02-031620

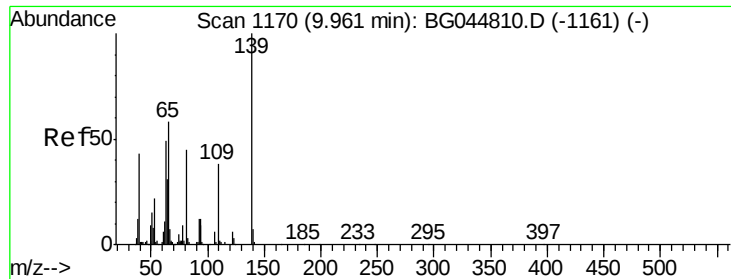
Tgt Ion:	136	Resp:	296935
Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.8	14.6
54	9.2	7.9	11.9
68	6.7	5.4	8.0



#23
Nitrobenzene-d5
Concen: 86.79 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044877.D
Acq: 18 Mar 2020 23:47

Tgt Ion:	82	Resp:	587299
Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.6	46.0
54	48.7	37.1	55.7

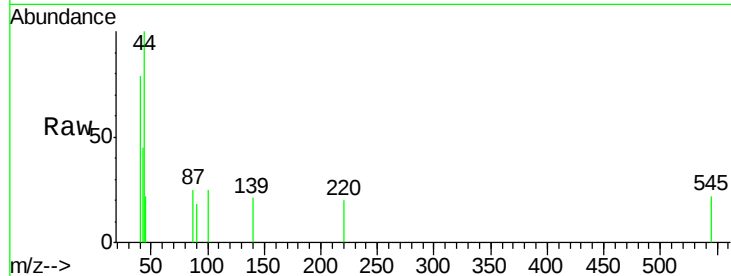




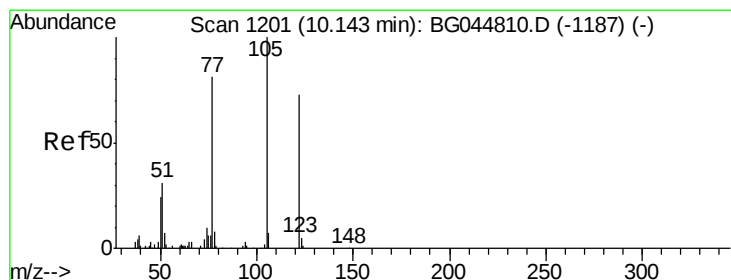
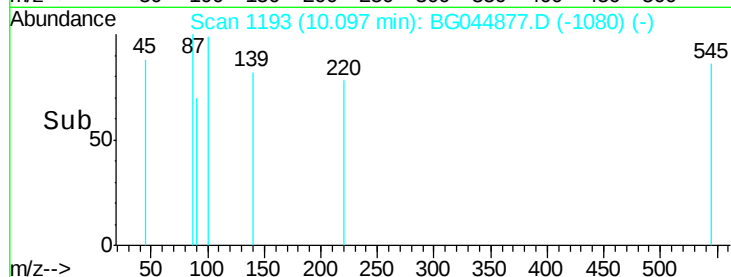
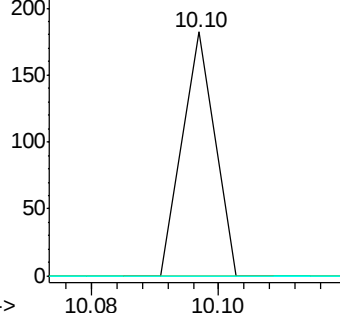
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 10.10 min Scan# 1193
Delta R.T. 0.14 min
Lab File: BG044877.D
Acq: 18 Mar 2020 23:47

Instrument :
BNA_G
ClientSampleId :
OR-02-031620

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

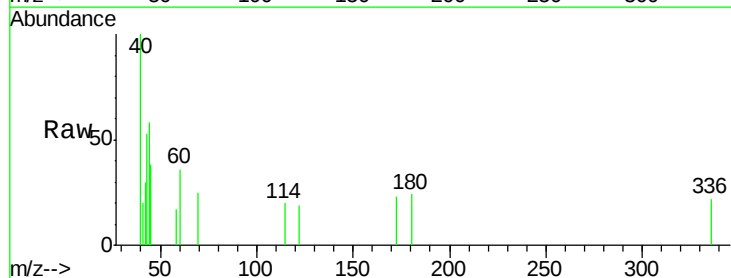


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

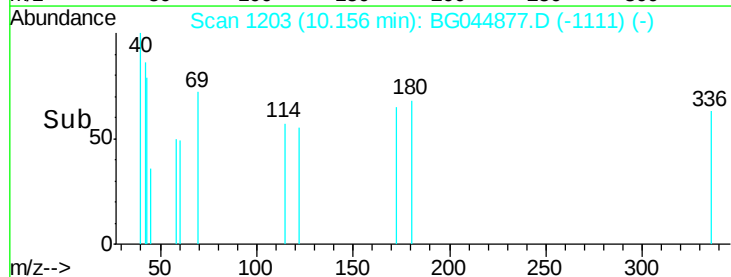
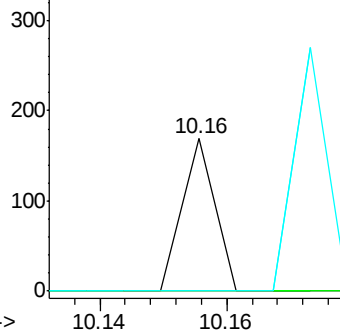


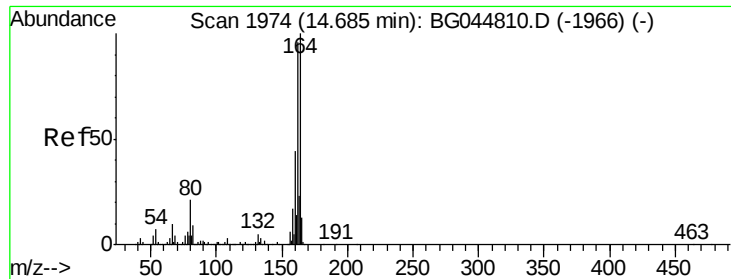
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.16 min Scan# 1203
Delta R.T. 0.01 min
Lab File: BG044877.D
Acq: 18 Mar 2020 23:47

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

Instrument :

BNA_G

ClientSampleId :

OR-02-031620

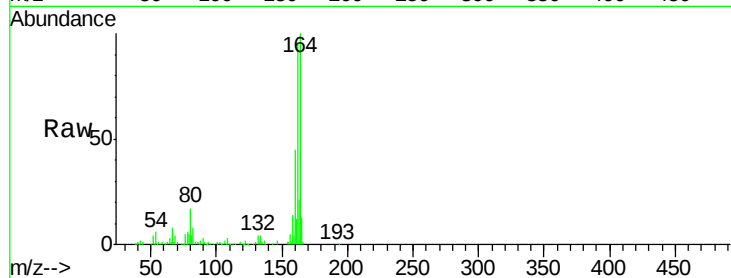
Tgt Ion:164 Resp: 197374

Ion Ratio Lower Upper

164 100

162 96.5 76.7 115.1

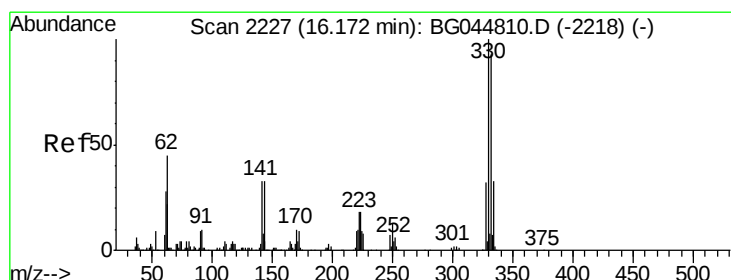
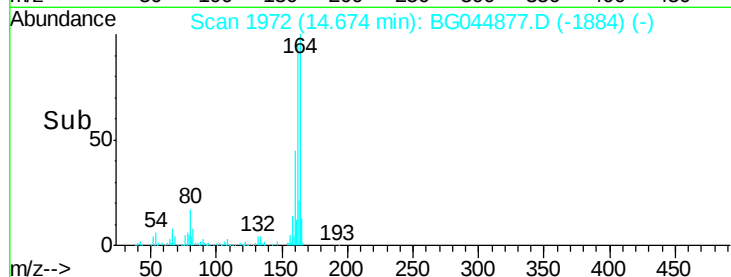
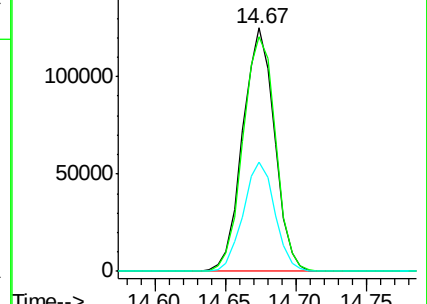
160 44.7 35.0 52.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 148.82 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

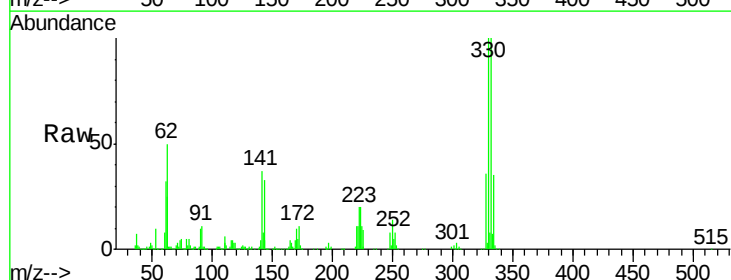
Tgt Ion:330 Resp: 384590

Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.6

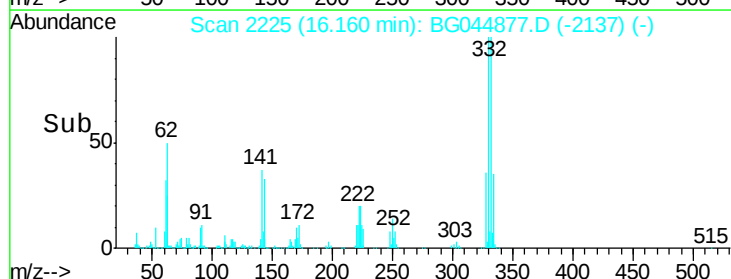
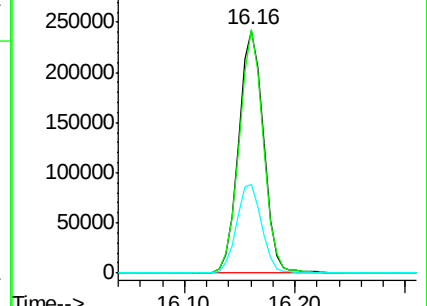
141 37.3 29.5 44.3

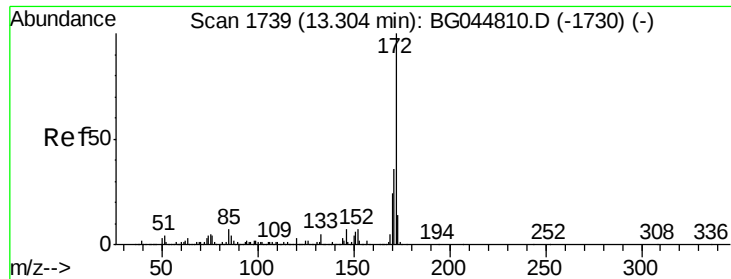


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

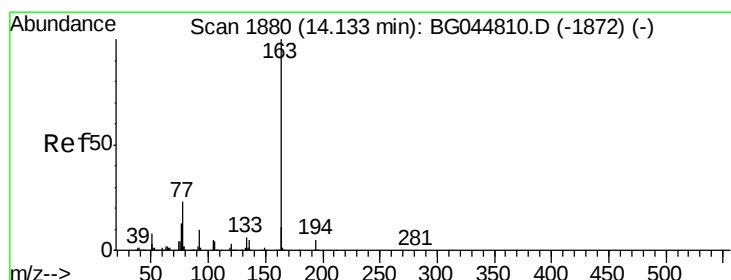
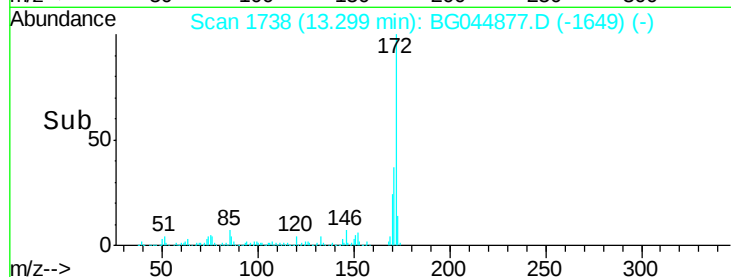
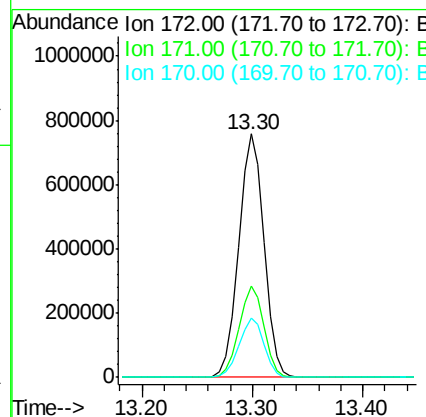
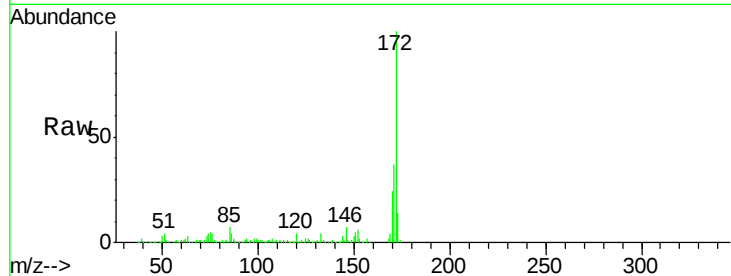




#45
2-Fluorobiphenyl
Concen: 88.02 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044877.D
Acq: 18 Mar 2020 23:47

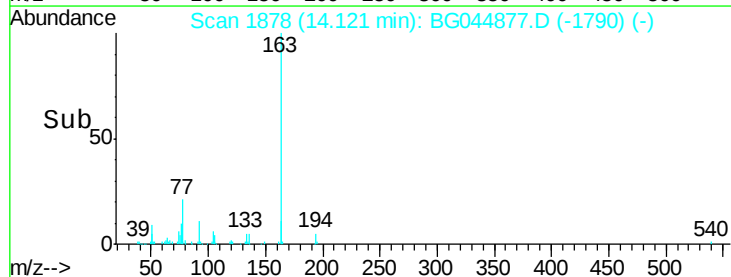
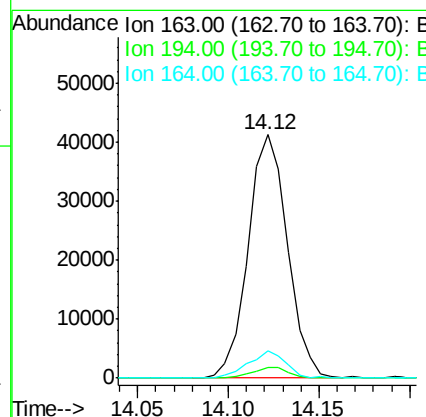
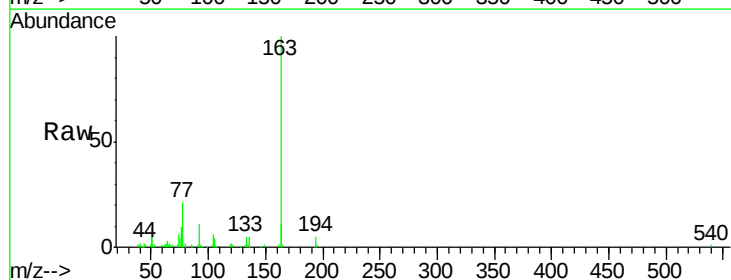
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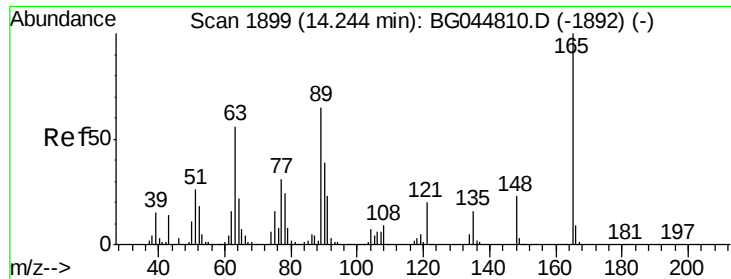
Tgt Ion:172 Resp: 1213212
Ion Ratio Lower Upper
172 100
171 37.4 28.7 43.1
170 24.4 19.0 28.6



#50
Dimethylphthalate
Concen: 3.95 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044877.D
Acq: 18 Mar 2020 23:47

Tgt Ion:163 Resp: 62046
Ion Ratio Lower Upper
163 100
194 4.6 3.7 5.5
164 11.4 9.1 13.7

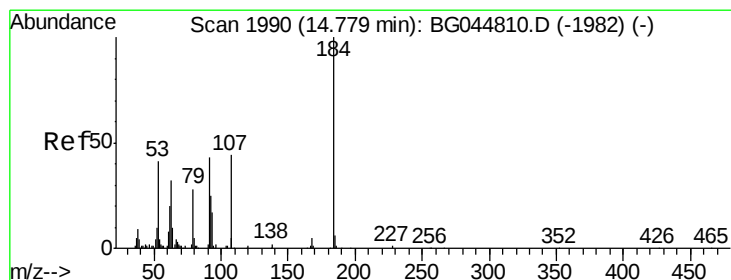
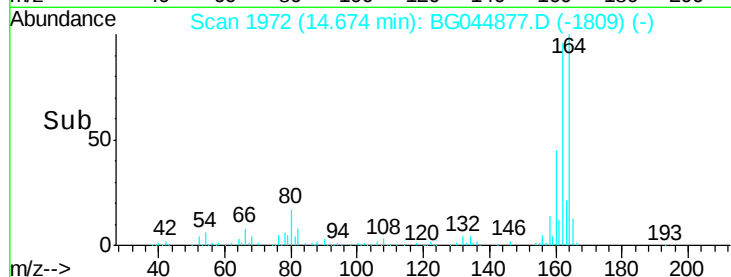
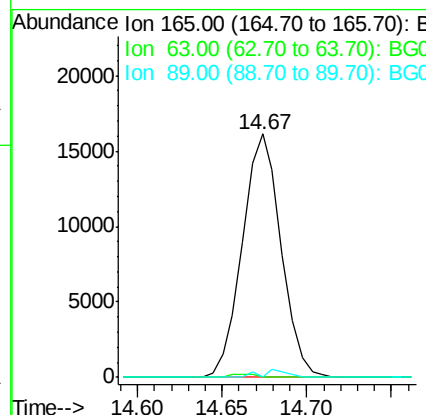
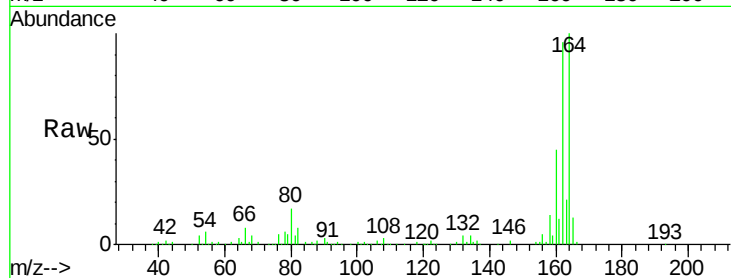




#51
 2,6-Dinitrotoluene
 Concen: 8.09 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

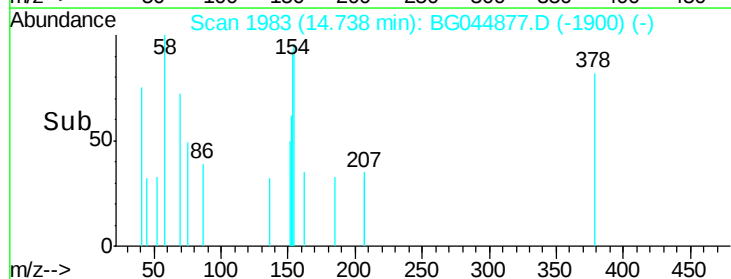
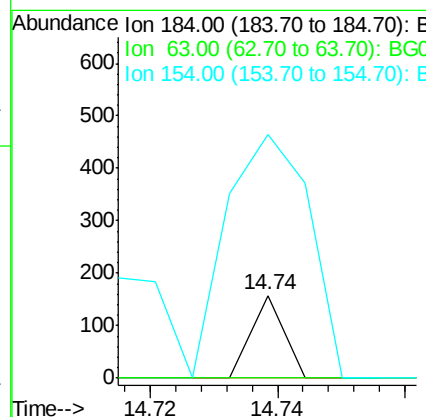
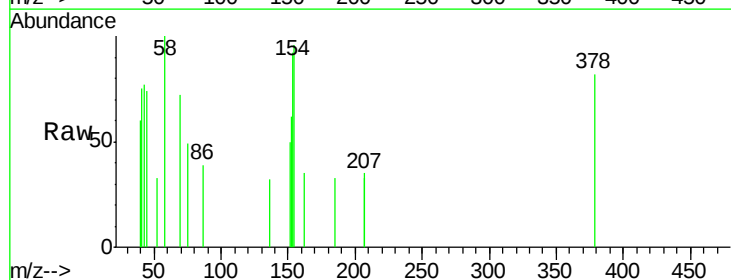
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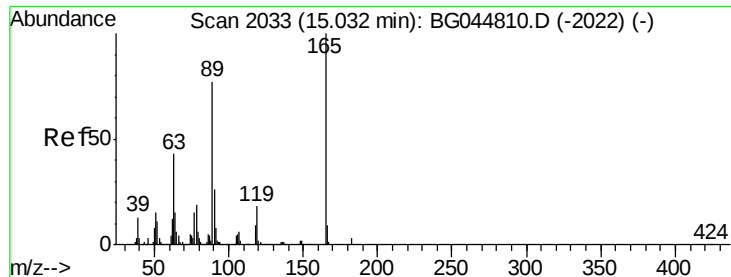
Tgt Ion:165 Resp: 25629
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.8#
 89 0.0 51.8 77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.35 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.04 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

Tgt Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 293.7 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 5.90 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

Instrument :

BNA_G

ClientSampleId :

OR-02-031620

Tgt Ion:165 Resp: 25629

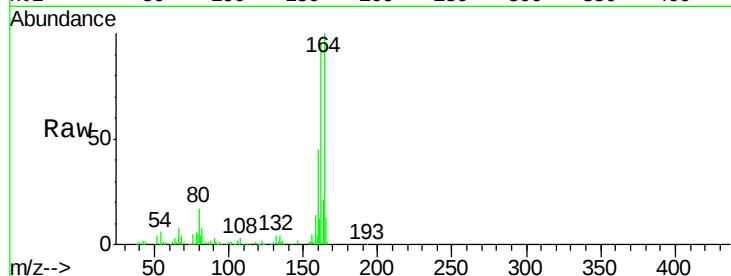
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 61.3 91.9#

182 0.0 2.2 3.2#



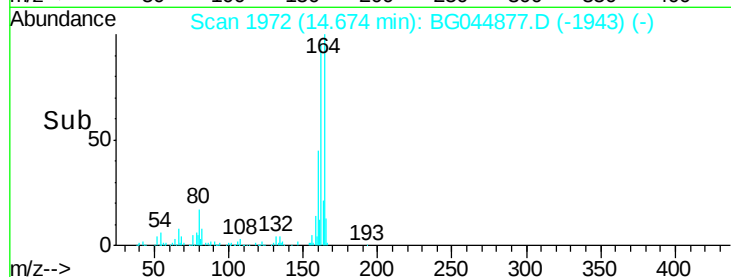
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

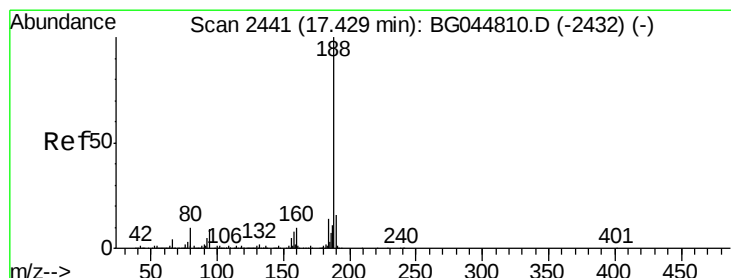
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

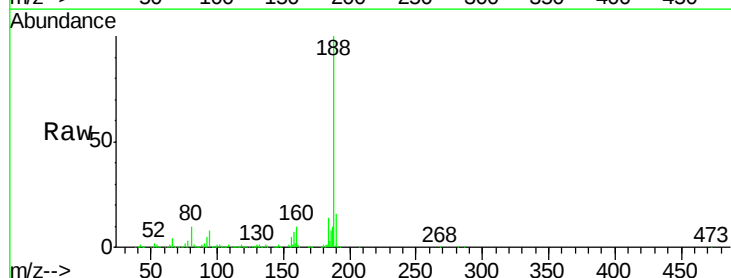
Tgt Ion:188 Resp: 453703

Ion Ratio Lower Upper

188 100

94 7.9 7.3 10.9

80 9.8 8.0 12.0

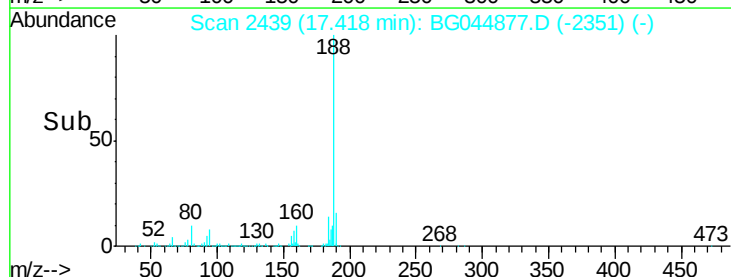


Abundance Ion 188.00 (187.70 to 188.70): E

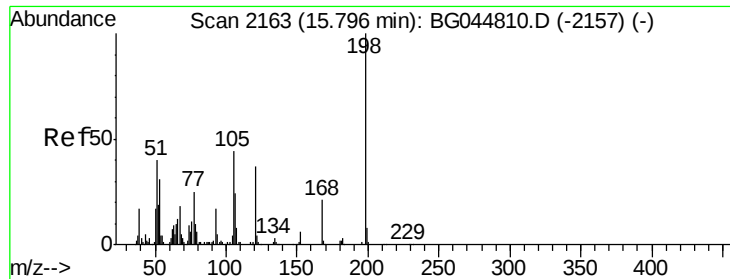
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



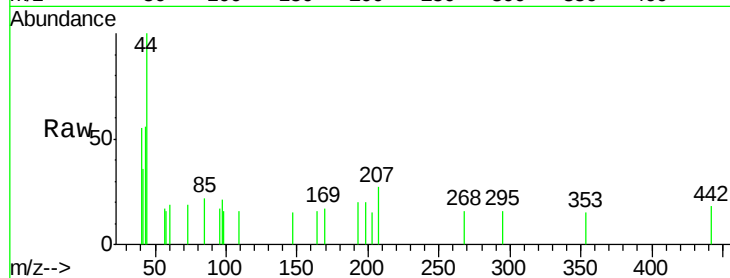
Time-->



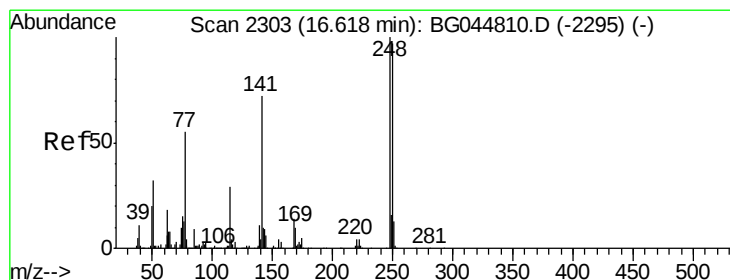
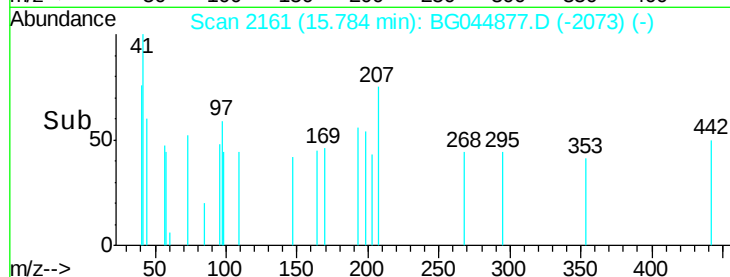
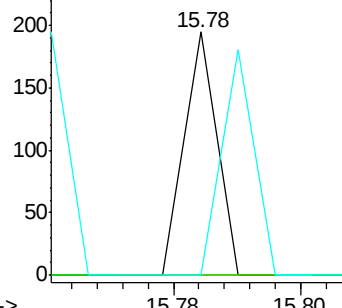
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.76 ng
 RT: 15.78 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-031620

Tgt Ion:198 Resp: 69
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#

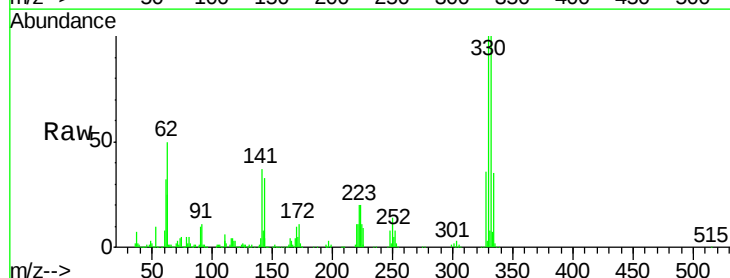


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

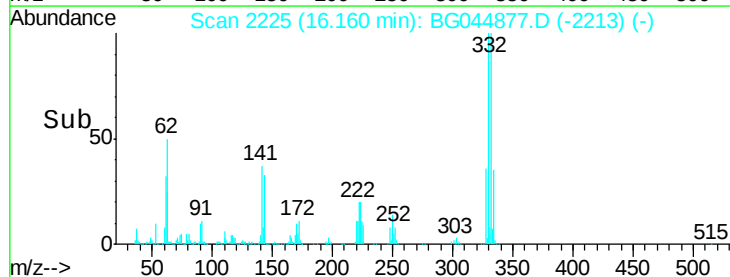
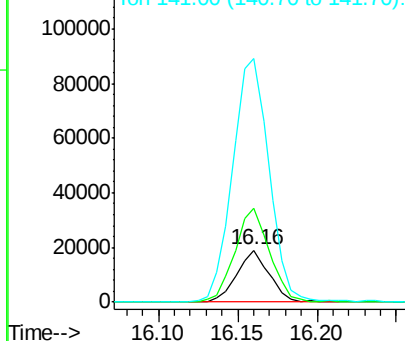


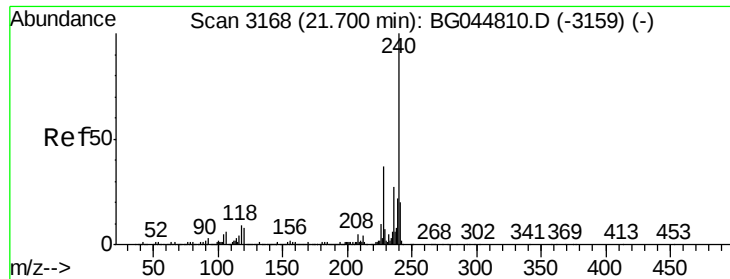
#67
 4-Bromophenyl-phenylether
 Concen: 4.71 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

Tgt Ion:248 Resp: 26718
 Ion Ratio Lower Upper
 248 100
 250 179.2 77.9 116.9#
 141 467.0 57.5 86.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

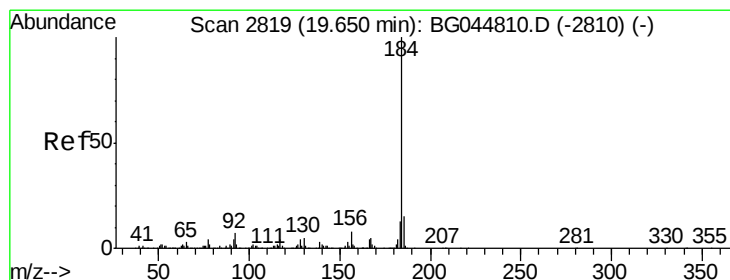
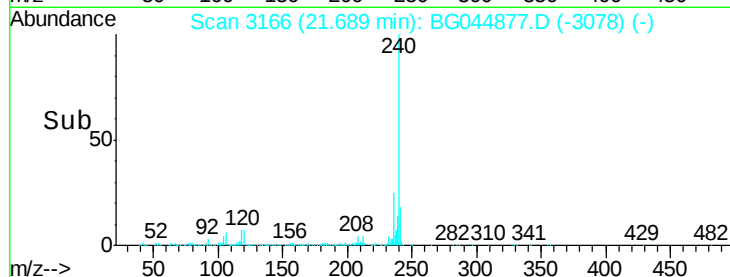
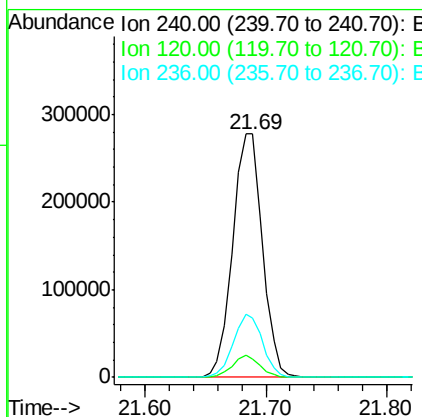
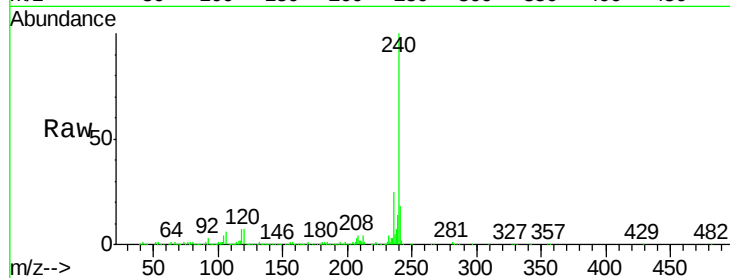




#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

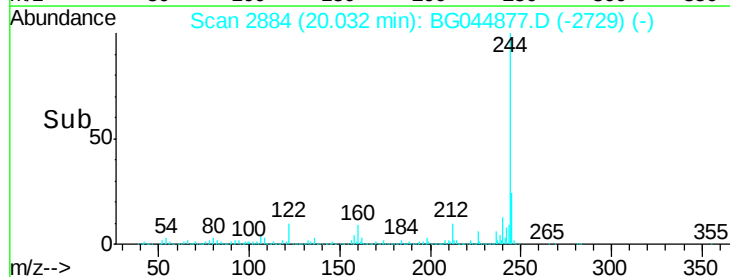
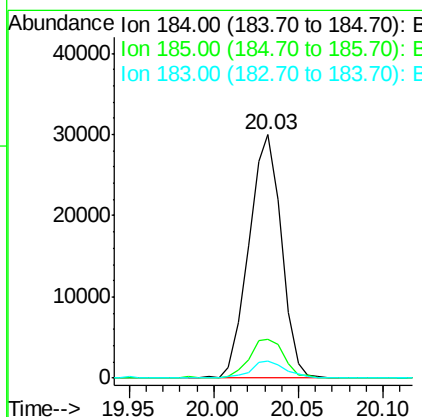
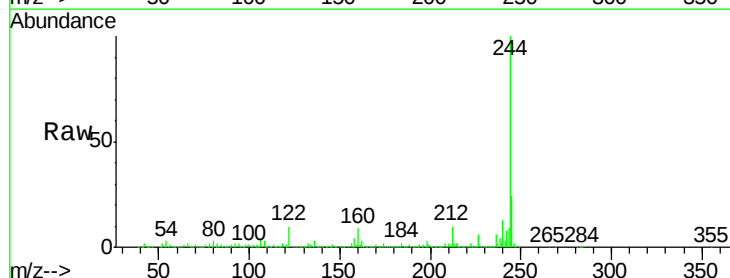
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-031620

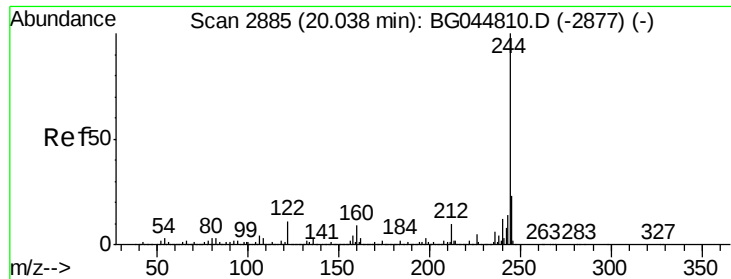
Tgt Ion:240 Resp: 476853
 Ion Ratio Lower Upper
 240 100
 120 7.5 6.7 10.1
 236 24.5 21.5 32.3



#77
 Benzidine
 Concen: 2.59 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.38 min
 Lab File: BG044877.D
 Acq: 18 Mar 2020 23:47

Tgt Ion:184 Resp: 40069
 Ion Ratio Lower Upper
 184 100
 185 15.8 12.2 18.4
 183 6.8 10.7 16.1#





#79

Terphenyl-d14

Concen: 82.39 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

Instrument :

BNA_G

ClientSampleId :

OR-02-031620

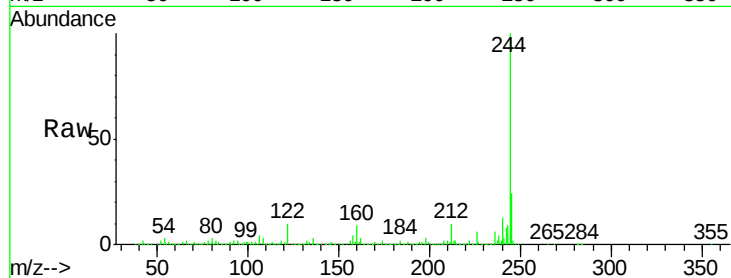
Tgt Ion:244 Resp: 2100448

Ion Ratio Lower Upper

244 100

212 10.0 7.7 11.5

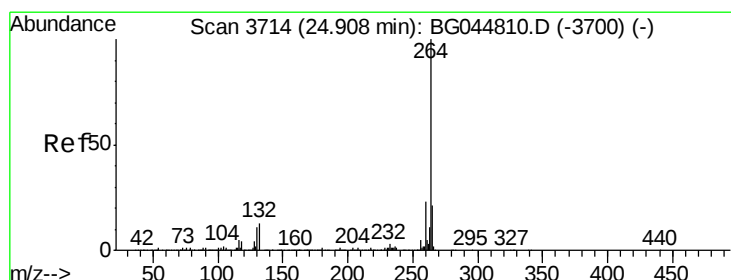
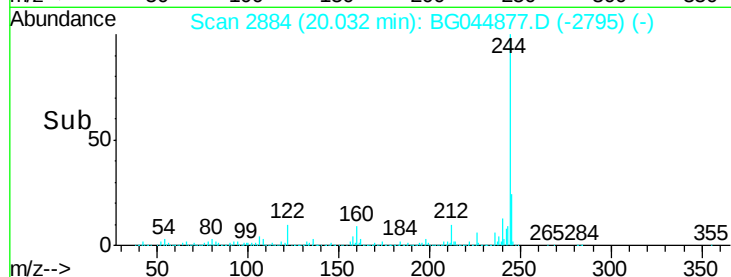
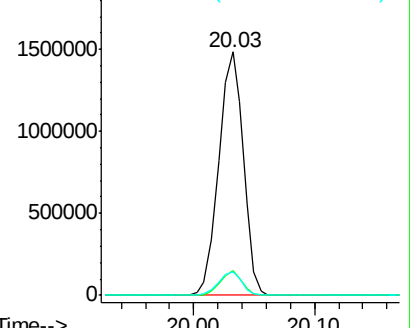
122 9.7 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044877.D

Acq: 18 Mar 2020 23:47

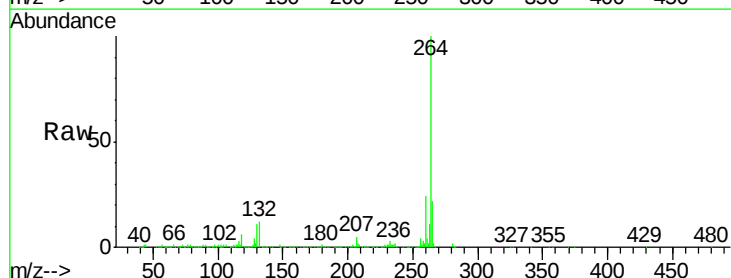
Tgt Ion:264 Resp: 518321

Ion Ratio Lower Upper

264 100

260 24.0 18.1 27.1

265 21.8 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

